



**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
MANAGEMENT**

- ☒ the specification of which is attached hereto OR  
☐ was filed on [date] as Application Serial No. [Serial No.] or PCT International  
Application Number [Int'l. App. No.] and was amended on [date] (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	NOT	CERTIFIED ATTACHED	COPY
	N/A				<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)
N/A		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)
N/A	

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gribus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Ellis B. Ramirez, (202) 595-1444, 1090 Vermont Ave. N.W., Suite 800, Washington, DC., 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Ken S. Kump

Inventor's signature: *Ken S. Kump* Date: 23-June-2004

Residence: 614 Crestwood Drive; Waukesha, WI 53188

Citizenship: USA

Post Office Address: 614 Crestwood Drive; Waukesha, WI 53188

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Ken S. Kump of 614 Crestwood Drive; Waukesha, WI 53188, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT.

☒ executed concurrently herewith,

☐ signed as of [date], or

☐ filed on [date] having Serial Number [Serial Number]

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

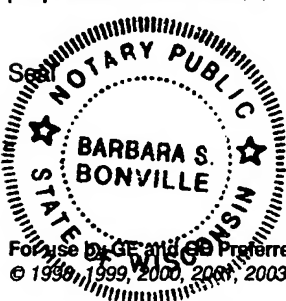
Ken S. Kump  
Ken S. Kump

Date: 24-June-2004

State of Wisconsin SS:  
County of Waukesha

This 24<sup>th</sup> day of June, 2004, before me personally came the above named

Kenneth Kump to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Barbara Bonville  
(Notary Public)

Comm Exp. April 24, 2005



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Full name of inventor: John R. Lamberty

Inventor's signature: John R. Lamberty Date: 20 Aug - 2004

Residence: 429 So. Concord Rd.; Oconomowoc, WI 53066

Citizenship: USA

Post Office Address: 429 So. Concord Rd.; Oconomowoc, WI 53066

BEST AVAILABLE COPY

ASSIGNMENT

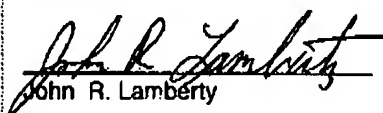
In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Name John R. Lamberty of Address 429 So. Concord Rd.; Oconomowoc WI 53066, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT

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John R. Lamberty

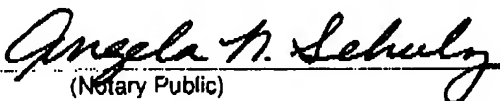
Date: 20-Aug-2004

State of WISCONSIN SS:  
County of WAUKESHA

This 20<sup>th</sup> day of AUGUST, 2004, before me personally came the above named

JOHN R. LAMBERTY to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

  
(Notary Public)

For use by GE and GE-Preferred Providers

© 1996, 1999, 2000, 2001, 2003 General Electric Company Effective 1 January 2003

BEST AVAILABLE COPY



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Full name of inventor: Aaron A. Haen

Inventor's signature Aaron A. Haen Date: 3/18/2004

Residence: 1286 Chesterwood Lane; Pewaukee, WI 53072

Citizenship: USA

Post Office Address: 1286 Chesterwood Lane; Pewaukee, WI 53072



### ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Aaron A. Haen of 1286 Chesterwood Lane; Pewaukee, WI 53072, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT.

☒ executed concurrently herewith,

☐ signed as of [date], or

☐ filed on [date] having Serial Number [Serial Number]

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Aaron A. Haen Date: 3/18/2004  
Aaron A. Haen

State of Wisconsin SS:  
County of Waukesha

This 18 day of March, 2004, before me personally came the above named

Aaron A. Haen to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Shannon M. Neubauer  
(Notary Public)

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FOR PATENT APPLICATION**

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Full name of inventor: Paul R. Granfors

Inventor's signature: Paul R. Granfors Date: June 23, 2004

Residence: 1053 Lily Avenue; Sunnyvale, CA 94086

Citizenship: USA

Post Office Address: 1053 Lily Avenue; Sunnyvale, CA 94086

**ASSIGNMENT**

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Name Paul R. Granfors of Address 1053 Lily Avenue; Sunnyvale CA 94086, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled **DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT**

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Paul R. Granfors  
Paul R. Granfors

Date: June 24, 2004

State of \_\_\_\_\_ SS:

County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came the above named

\_\_\_\_\_ to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

See Attached Certificate 6/24/04 JK  
(Notary Public)

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of

Santa Clara

SS.

On

June 24th, 2004

before me,

Johnny Kwon, Notary Public

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

Paul R. Brankin

Name(s) of Signer(s)

☐ personally known to me☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) were subscribed to the within instrument, and acknowledged to me that ~~he~~ she executed the same in ~~his~~ her authorized capacity(ies), and that by ~~his~~ her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
Signature of Notary Public
**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney-in-Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_





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Full name of inventor: Jason R. Ertel

Inventor's signature: Jason R. Ertel Date: 6/23/2004

Residence: 2501 Mary Ann Court; Waukesha, WI 53188

Citizenship: USA

Post Office Address: 2501 Mary Ann Court; Waukesha, WI 53188

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Name Jason R. Ertel of Address 2501 Mary Ann Court; Waukesha WI 53188, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT

- ☒ executed concurrently herewith,  
☐ signed as of [date], or  
☐ filed on [date] having Serial Number [Serial Number]

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

Jason R. Ertel  
Jason R. Ertel

Date: 6/23/2004

State of WISCONSIN SS:  
County of WAUKESHA

This 23rd day of JUNE, 2004, before me personally came the above named

JASON R. ERTEL to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Angela N. Schulz  
(Notary Public)





**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
MANAGEMENT**

- ☒ the specification of which is attached hereto OR  
☐ was filed on [date] as Application Serial No. [Serial No.] or PCT International  
Application Number [Int'l. App. No.] and was amended on [date] (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	NOT	CERTIFIED ATTACHED	COPY
	N/A				<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)
N/A		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

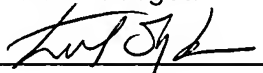
APPLICATION NUMBER(S)	FILING DATE (day, month, year)
N/A	

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gribus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Ellis B. Ramirez, (202) 595-1444, 1090 Vermont Ave. N.W., Suite 800, Washington, DC., 20005 .

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Jibril Odogba

Inventor' s signature:  Date: MAR 24, 2004

Residence: 497 Welsh Road; Wales, WI 53183

Citizenship: USA

Post Office Address: 497 Welsh Road; Wales, WI 53183

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Jibril Odogba of 497 Welsh Road; Wales, WI 53183, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled  
**DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT**

☒ executed concurrently herewith,

☐ signed as of [date], or

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and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries

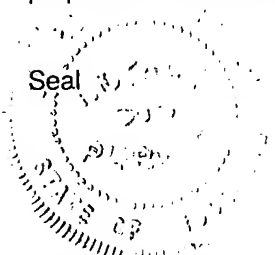
  
Jibril Odogba

Date: MAR 24, 2004

State of Wisconsin SS:  
County of Waukesha

This 24<sup>th</sup> day of March, 2004, before me personally came the above named

Jibril Odogba to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



  
(Notary Public)

my commission expires 12/25/05



**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
MANAGEMENT**

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					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)
N/A		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)
N/A	

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gnibus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Ellis B. Ramirez, (202) 595-1444, 1090 Vermont Ave. N.W., Suite 800, Washington, DC., 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: David C. Neumann

Inventor's signature: David C. Neumann Date: March 11, 2004

Residence: 3731 N 85 St; Milwaukee, WI 53222

Citizenship: USA

Post Office Address: 3731 N 85 St; Milwaukee, WI 53222

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, David C. Neumann of 3731 N 85 St; Milwaukee, WI 53222, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT

- ☒ executed concurrently herewith,  
☐ signed as of [date], or  
☐ filed on [date] having Serial Number [Serial Number]

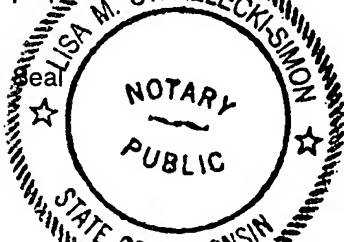
and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

David C. Neumann Date: March 11, 2004  
David C. Neumann

State of Wisconsin SS:  
County of Waukesha

This 11th day of March, 2004, before me personally came the above named

David C. Neumann to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes hereinafter set forth.



[Signature]  
(Notary Public)

LISA M. STRZELECKI-SIMON  
Notary Public, State of Wisconsin  
My Commission Expires 5-9-04



**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
MANAGEMENT**

- ☒ the specification of which is attached hereto OR  
☐ was filed on [date] as Application Serial No. [Serial No.] or PCT International  
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COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	NOT	CERTIFIED ATTACHED	COPY
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					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

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I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gribus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Donald F Langler

Inventor's signature: *Donald F. Langler*

Date: August 10, 2004

Residence: 4340 Pilgrim Road; Brookfield, WI 53005

Citizenship: USA

Post Office Address: 4340 Pilgrim Road; Brookfield, WI 53005



## ASSIGNMENT

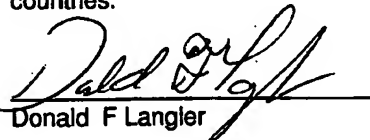
In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Name Donald F Langler of Address 4340 Pilgrim Road, Brookfield WI 53005, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT

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☐ signed as of [date], or

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Donald F Langler

Date: August 10, 2004

State of WISCONSIN SS:  
County of WAUKESHA

This 10<sup>th</sup> day of AUGUST, 2004, before me personally came the above named

DONALD F. LANGLER to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

  
(Notary Public)



**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

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**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
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COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	NOT	CERTIFIED ATTACHED	COPY
	N/A				<input type="checkbox"/> Yes <input type="checkbox"/> No	
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U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)
N/A		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)
N/A	

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gribus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Ping Xue

Inventor's signature: Ping Xue Date: Mar. 10, 2004

Residence: 1106 Starlight Ln; Cottage Grove, WI 53527

Citizenship: USA

Post Office Address: 1106 Starlight Ln; Cottage Grove, WI 53527

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Ping Xue of 1106 Starlight Ln; Cottage Grove, WI 53527, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT.

☒ executed concurrently herewith,

☐ signed as of [date], or

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Ping Xue  
Ping Xue

Date: Mar. 10, 2004

State of Wisconsin SS:  
County of Waukesha

This 10th day of March, 2004, before me personally came the above named

Ping Xue to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Glenn J. Graham  
(Notary Public)  
Ep. 1/15/2006



**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
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U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)
N/A		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)
N/A	

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gnibus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Ellis B. Ramirez, (202) 595-1444, 1090 Vermont Ave. N.W., Suite 800, Washington, DC., 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Habib Yafi

Inventor's signature: Habib Yafi Date: 3,10,2004

Residence: 19260 Baythorn Way; Brookfield, WI 53045

Citizenship: USA

Post Office Address: 19260 Baythorn Way; Brookfield, WI 53045

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Habib Vafi of 19260 Baythorn Way; Brookfield, WI 53045, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT.

☒ executed concurrently herewith,

☐ signed as of [date], or

☐ filed on [date] having Serial Number [Serial Number]

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

Habib Vafi  
Habib Vafi

Date: 3, 10, 2004

State of Wisconsin SS:  
County of Waukesha

This 10th day of March, 2004, before me personally came the above named

Habib Vafi to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Elena J. Jordan  
Ep. 1/15/2006 (Notary Public)

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER  
MANAGEMENT**

- ☒ the specification of which is attached hereto OR  
☐ was filed on [date] as Application Serial No. [Serial No.] or PCT International  
Application Number [Int'l. App. No.] and was amended on [date] (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	NOT	CERTIFIED ATTACHED	COPY
					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. PARENT APPLICATION OR PCT PARENT NUMBER	PARENT FILING DATE (day, month, year)	STATUS (patent and number, pending, abandoned)



I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (day, month, year)

As a named inventor, I hereby appoint Michael G. Smith (Reg. No. 45,368), Ellis B. Ramirez (Reg. No. 45,326); Henry J. Policinski, (Reg. No. 26, 621), Scott R. Hayden, (Reg. No. 41,821), and Michael M. Gnibus (Reg. No. 38,162) jointly, and each of them severally, as attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Scott W Petrick

Inventor's signature: Scott W Petrick Date: June 24, 2004

Residence: N77 W24677 Century Ct.; Sussex, WI 53089

Citizenship: USA

Post Office Address: N77 W24677 Century Ct.; Sussex, WI 53089

## ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I acknowledge receipt, I, Name Scott W Petrick of Address N77 W24677 Century Ct.; Sussex WI 53089, hereby sell and assign to General Electric Company, a Delaware Limited Liability Company having a place of business at 3000 North Grandview Boulevard, Waukesha, WI 53188, (hereinafter referred to as "Company"), its successors and assigns my entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me and described in the application for United States Patent currently entitled DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT

- ☒ executed concurrently herewith,  
☐ signed as of [date], or  
☐ filed on [date] having Serial Number [Serial Number]

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

Scott W Petrick  
Scott W Petrick

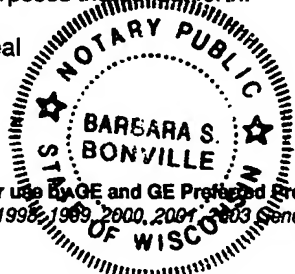
Date: June 24, 2004

State of Wisconsin SS:  
County of Waukesha

This 24<sup>th</sup> day of June, 2004, before me personally came the above named

Scott W Petrick to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal



Barbara S. Bonville  
(Notary Public)

Comm Exp April 24, 2005